



This spreadsheet performs screening level calculations to estimate the effect of peeling leaded paint on the average concentration of lead in yard soil
3545 Elizabeth St.

INPUTS		Units	House	Garage
General	Variable			
	Mixing depth in yard	cm	2.54	2.54
	Mixing depth in yard	inches	1	1
	Soil density	g/cm3	2.5	2.5
	RBC in soil	mg/kg	400	400
House-specific	Bkg in clean fill	mg/kg	50	50
			Small	Small
	Area of the exposure unit	m2	107.0243	49.052805
	Area of the exposure unit	ft2	1152	528
	Concentration of lead in paint	mg/cm2	17	9.1
	Area of peeling paint	m2	1.666056	4.034856
	Area of peeling paint	ft2	4.22	10.22
COMPUTATIONS				
	Mass of lead from paint	mg	2.8E+05	3.7E+05
	Volume of soil	cm3	2.7E+06	1.2E+06
	Mass of soil	kg	6.8E+03	3.1E+03
	Incremental concentration	mg/kg	41.7	117.9
	Maximum acceptable area of peeling leaded paint (m2)		14.0	12.0
	Maximum acceptable area of peeling leaded paint (ft2)		150.6	128.9
DECISION			OK	OK

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House-specific	Area of the exposure unit	m2	Small 107.0243	Small 49.052805
	Area of the exposure unit	ft2	1152 ✓	528 ✓
	Concentration of lead in paint	mg/cm2	17 ✓	9.1 ✓
	Area of peeling paint	m2	3.332112	6.39576
	Area of peeling paint	ft2	8.44 ✓ 41.22	16.2 ✓ 10.22
COMPUTATIONS				
	Mass of lead from paint	mg	5.7E+05	5.8E+05
	Volume of soil	cm3	2.7E+06	1.2E+06
	Mass of soil	kg	6.8E+03	3.1E+03
	Incremental concentration	mg/kg	83.4	186.9
	Maximum acceptable area of peeling leaded paint (m2)		14.0	12.0
	Maximum acceptable area of peeling leaded paint (ft2)		150.6	128.9
DECISION			OK	OK

Address: 3545 Elizabeth St.			Date: 8/23/2005	
Owner:	Cleophus and Lela	Williams	Telephone #:	(303) 388-3039

Plot Plan:

see attached

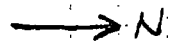
Property #
1220

	Exterior Walls				Doors/Trim			
	Material	deteriorated Area	Peel/Chip	XRF (Lead)	Material	deteriorated Area	Peel/Chip	XRF (Lead)
	North							
	South							
	East							
West								
	Total	0.00			Total	0.00		

	Window Trim/Fascia/Soffit				Patios/Decks/Porches			
	Material	deteriorated Area	Peel/Chip	XRF (Lead)	Material	deteriorated Area	Peel/Chip	XRF (Lead)
	North							
	South							
	East							
West								
	wood	1.80		17+-7.5				
	wood	2.42		14+-3.5				
	Total	4.22			Total	0.00		

	Metal Trim/Gutters/Downspouts				Misc Structures/Garage/Fences			
	Material	deteriorated Area	Peel/Chip	XRF (Lead)	Material	deteriorated Area	Peel/Chip	XRF (Lead)
	North							
	South				wood	10.22		9.1+-2.6
	East							
West								
	Total	0.00			Total	10.22		

A hand-drawn diagram of a rectangular area. The vertical dimension on the left is labeled $20'3''$ with an upward arrow. The horizontal dimension at the bottom is labeled $12'2''$ with a double-headed arrow. On the right side, there is a dimension of $16''$ with a curved arrow pointing right. A circled number 7 is located on the left side of the rectangle.



3545 Elizabeth

Address: 3545 Elizabeth St.		Structure: House									
Date: 8/23/05		Direction: N									
Investigator: CM, WH											
Time Started: 11:30 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
1	1	window frame (front)	wood	white	n/a	n/a	0.11	419	17±7.5	pos	
n/a	n/a	basement window frame (front)	wood	white	n/a	n/a	0.60	420	0.47±0.21	neg	
2	2	basement window frame (mid)	wood	white	n/a	n/a	0.83	421	2.9±1.1	pos	windows w/ bars
3	3	window frame (back)	wood	white	n/a	n/a	0.86	422	6.4±2.4	pos	
Address: 3545 Elizabeth St.		Structure: House									
Date: 8/23/05		Direction: E									
Investigator: CM, WH											
Time Started: 11:30 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
4	4	front window frame	wood	white	n/a	n/a	2.42	418	14±3.5	pos	
Address: 3545 Elizabeth St.		Structure: House									
Date: 8/23/05		Direction: S									
Investigator: CM, WH											
Time Started: 11:30 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
5	5	upper level window frames	wood	white	n/a	10%	1.83	416	0.10±0.18	neg	
6	6	basement windowsill (3)	wood	white	3.58	50%	1.79	417	0.10±0.04	neg	
Address: 3545 Elizabeth St.		Structure: House									
Date: 8/23/05		Direction: W									
Investigator: CM, WH											
Time Started: 11:30 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
n/a	n/a	no deter paint									
Address: 3724 York		Structure: Garage									
Date: 8/23/05		Direction: S,E									
Investigator: CM, WH											
Time Started: 11:10 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
7	7	people door frame (S)	wood	white	10.2	100%	10.22	423	9.1±2.6	pos	
n/a	n/a	window frame (south)	wood	white	n/a	n/a	2.99	425	0.25±0.28	neg	
n/a	n/a	window frame (east)	wood	white	n/a	n/a	2.99	See 425	0.25±0.28	neg	
		no deter paint on north side; west side in alley									

TARGET SHEET
EPA REGION VIII
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 1052083

SITE NAME: VASQUEZ BOULEVARD AND I-70

DOCUMENT DATE: 08/23/2005

DOCUMENT NOT SCANNED

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- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
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- ☐ OTHER
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1 - PROPERTY PHOTO CD, PROPERTY #1220
